

Cem-ROCK™ EXTREME Cement Board Product Datasheet



The ideal substrate board for variety of exterior applications including render systems and exterior insulation render systems in timber frame and steel frame structures. Excellent pull off resistance and racking strength.

The ideal board for internal applications where higher impact and screw pull-off resistance is required.

Also suitable for high moisture areas.

Physical properties	
Nominal Dimensions	2400x1200x12 mm
Average weight	12.7 kg/m ²
Average density (EN 12467)	1,060 kg/m ³
Fire classification (EN 13501-1)	A1
Combustibility (EN ISO 1182)	non-combustible
Bending strength (EN 12467) - Wet condition	20.9 MPa
Bending strength (EN 12467) - Ambient condition	18.8 MPa
Tensile strength (ISO 6892-1998)	13.4 MPa
Release of dangerous substance (EN 717-3:1996; ISO 22262-1:2012; ISO 9680)	No detected
Water vapour transmission rate g [g/(m ² ·d)] (EN ISO 12572:2002)	84.892
Water vapour resistance factor μ (EN ISO 12572:2002)	19.180
Screw pull-out (typical 4x40 timber screw)	0.9 kN

Other physical properties (EN 12467)		
Property	Value	Result
Warm water	0.75	Pass
Soak dry	0.77	Pass
Vapour Permeability	0.78	Pass
Tolerance on length and width	+/- 2mm	Pass
Tolerance on thickness	+/- 0.2mm	Pass
Straightness of edges	0.09%	Level I
Squareness of edges	2mm/m	Level I

Physical properties (ASTM)	
Allowable shear [psf] (fastener spacing: 6"; 4"; 3") (ASTM D2718)	284; 451; 656
Flexural strength [psi] (ASTM C1185)	1,850
Tensile strength [psi] (ASTM D3500)	505
Compressive strength [psi] (ASTM D3501)	1,440
Nail head pull through [N] (ASTM D1037)	1817
Fastener Lateral Capacity [psi] (ASTM D1037)	245
Withdrawal Capacity [psi] (ASTM D1037)	155
Freeze/thaw cycle (ASTM C666-15)	Pass

Characteristics

Suitable for external applications:

- Render system receiver
- Cladding system receiver
- Exterior insulation system receiver
- External soffits
- Sheathing

Suitable for internal applications:

- Drylining partition walls
- Tile backer board
- Wet rooms - tub and shower surrounds
- Floor underlayment
- Fire rated partitions

Properties:

- Fire resistant
- Moisture resistant
- Weather resistant
- Impact resistant
- Easy to cut with utility knife
- Easy to handle (light weight)

Fire rated build-ups

Board suitable to be used in fire partitions.

Buildups of up to **120min** are available.